

Introduction to Filter Connectors Application Checklist



Specification Reference:

- MIL-DTL-38999 Ser. 79 Micro-Crimp
- MIL-DTL-5015 Ser. 80 Mighty Mouse
- MIL-C-26482 MIL-C-28840
- MIL-DTL-83723 MIL-DTL-24308
- MIL-DTL-83513 ARINC 600
- PowerTrip

Series and/or Slash Sheet:

Shell Style:

- Jam-Nut Receptacle Plug
- Flange Mount Receptacle
- Dual Flange PCB Receptacle
- Solder Mount Receptacle
- Connector Adapter (Sav-Con®)

Shell Size/Arrangement:

Pin Count:

Contact Gender:

- Pin
- Socket

Hermetic:

- Yes
- No

Shell Rotation Position:

Shell Material and Finish:

Termination (PC Tail, Solder Cup, Piggyback Crimp, etc.):

Temperature Tolerance:

Operating: - ____°C to + ____°C
Storage: - ____°C to + ____°C

Operating Frequency Range of Effected Equipment:

Filter Capacitance:

| PIN POSITION (Or Group of Pins) | FILTER VALUE* [pF] ± 20% |
|------------------------------------|-----------------------------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |

*1KHZ, 25°C

Desired Filter Circuit Type:

- C Filter C-L Filter
- L-C Filter Pi Filter

Labeling and Marking Instructions:

Insertion Loss:

| | FREQUENCY [MHz] | ATTENUATION [dB] |
|---------|--------------------|---------------------|
| GROUP 1 | | |
| GROUP 2 | | |
| GROUP 3 | | |
| GROUP 4 | | |

IR:

_____ Volts

DWV:

_____ Volts

Capacitor Array Code:

| Class | Pi - Circuit (pF) | C - Circuit (pF) |
|-------|-------------------|------------------|
| X* | 160,000 - 240,000 | 80,000 - 120,000 |
| Y* | 80,000 - 120,000 | 40,000 - 60,000 |
| Z* | 60,000 - 90,000 | 30,000 - 45,000 |
| A | 38,000 - 56,000 | 19,000 - 28,000 |
| B | 32,000 - 45,000 | 16,000 - 22,500 |
| C | 18,000 - 33,000 | 9,000 - 16,500 |
| D | 8,000 - 12,000 | 4,000 - 6,000 |
| E | 3,300 - 5,000 | 1,650 - 2,500 |
| F | 800 - 1,300 | 400 - 650 |
| G | 400 - 600 | 200 - 300 |
| J | 70-120 | 35-60 |

* Filter Classes X, Y and Z are 250 VDC.
All others are 500 VDC

Note: For any capacitor array code listed, we can accommodate both C circuit and Pi circuit capacitance values.

Dimensions in inches (millimeters) and are subject to change without notice.